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## Figure 1A

>3107759H1	AGAGTGGCCT	AGGACAGCTC	CTCTCCTGCC	AGAGCTAGGC	AGGCGCCGAA
>3107759inh	AGAGTGGCCT	AGGACAGCTC	CTCTCCTGCC	AGAGCTAGGC	AGGCGCCGAA
Consensus	AGAGTGGCCT	AGGACAGCTC	CTCTCCTGCC	AGAGCTAGGC	AGGCGCCGAA
>3107759H1	GTAGCCGCAT	GGCCCCGTCA	GAAGACCCCA	GGGACTGGAG	AGCCAACCTC
>3107759inh	GTAGCCGCAT	GGCCCCGTCA	GAAGACCCCA	GGGACTGGAG	AGCCAACCTC
>604775H1				GGGACTGGAG	AGCCAACCTC
Consensus	GTAGCCGCAT	GGCCCCGTCA	GAAGACCCCA	GGGACTGGAG	AGCCAACCTC
>3107759H1	AAAGGCACCA	TCCGTGAGAC	AGGCCTGGAG	ACCAGCTCCG	GTGGGAAGCT
>3107759inh	AAAGGCACCA	TCCGTGAGAC	AGGCCTGGAG	ACCAGCTCCG	GTGGGAAGCT
>604775H1	AAAGGCACCA	TCCGTGAGAC	AGGCCTGGAG	ACCAGCTCCG	GTGGGAAGCT
Consensus	AAAGGCACCA	TCCGTGAGAC	AGGCCTGGAG	ACCAGCTCCG	GTGGGAAGCT
>3107759H1	GGCTGGCCAT	CAGAAGACCG	TCCCCACGGC	TCACCTGACT	TTTGTTATTG
>3107759inh	GGCTGGCCAT	CAGAAGACCG	TCCCCACGGC	TCACCTGACT	TTTGTTATTG
>604775H1	GGCTGGCCAT	CAGAAGACCG	TCCCCACGGC	TCACCTGACT	TTTGTTATTG
Consensus	GGCTGGCCAT	CAGAAGACCG	TCCCCACGGC	TCACCTGACT	TTTGTTATTG
>3107759H1	ACTGCACCCA	CGGGAAGCAG	CTCTCCCTGG	CAGCAACCGC	ATCACCACCC
>3107759inh	ACTGCACCCA	CGGGAAGCAG	CTCTCCCTGG	CAGCAACCGC	ATCACCACCC
>604775H1	ACTGCACCCA	CGGGAAGCAG	CTCTCCCTGG	CAGCAACCGC	ATCACCACCC
Consensus	ACTGCACCCA	CGGGAAGCAG	CTCTCCCTGG	CAGCAACCGC	ATCACCACCC
>3107759H1	CAAGCCCCCA	GTCCCAATCG	AGGG:TTGTC	ACCCACCA	
>3107759inh	CAAGCCCCCA	GTCCCAATCG	AGGGCTTGTC	ACCCACCAA	TGAAGACCTA
>604775H1	CAAGCCCCCA	GTCCCAATCG	AGGGCTTGTC	ACCCACCAA	TGAAGACCTA
Consensus	CAAGCCCCCA	GTCCCAATCG	AGGGCTTGTC	ACCCACCAA	TGAAGACCTA
>3107759inh	CATCGTG TTC	TGTGGGGAAA	ACTGGCCCCA	TCTTACTCGG	GTGACCCCCA
>604775H1	CATCGTG TTC	TGTGGGGAAA	ACTGGCCCCA		
>1996033H1		C TGTGGGGAAA	ACTGGCCCCA	TCTGACTCGG	GTGACCCCCA
Consensus	CATCGTG TTC	TGTGGGGAAA	ACTGGCCCCA	TCTKACTCGG	GTGACCCCCA
>3107759inh	TGGGTGGGGG	ATGCCTTGCC	CAGGCCAGGG	CCACCCTGCC	GCTCTGCAGA
>1996033H1	TGGGTGGGGG	ATGCCTTGCC	CAGGCCAGGG	CCACCCTGCC	GCTCTGCAGA
Consensus	TGGGTGGGGG	ATGCCTTGCC	CAGGCCAGGG	CCACCCTGCC	GCTCTGCAGA
>3107759inh	GGGTCTGTGG	CCTCAGCTTC	CTTCCCAGTC	AGCCCGCTCT	GCCCCAGGA
>1996033H1	GGGTCTGTGG	CCTCAGCTTC	CTTCCCAGTC	AGCCCGCTCT	GCCCCAGGA
Consensus	GGGTCTGTGG	CCTCAGCTTC	CTTCCCAGTC	AGCCCGCTCT	GCCCCAGGA
>3107759inh	GGTTCCCGAG	GCTAAGGGGA	AACCCGTGAA	GGCTGCGCCT	GTGAGGTCTT
>1996033H1	GGTTCCCGAG	GCTAAGGGGA	AACCCGTGAA	GGCTGCGCCT	GTGAGGTCTT
Consensus	GGTTCCCGAG	GCTAAGGGGA	AACCCGTGAA	GGCTGCGCCT	GTGAGGTCTT
>3107759inh	CAACTTGGGG	AACAGTCAAG	GACTCACTGA	AAGCCCTCTC	CTCTTGTGTC
>1996033H1	CAACTTGGGG	AACAGTCAAG	GACTCACTGA	AAGCCCTCTC	CTCTTGTGTC
Consensus	CAACTTGGGG	AACAGTCAAG	GACTCACTGA	AAGCCCTCTC	CTCTTGTGTC
>3107759inh	TGTGGGCAGG	CCGATTAGCT	GGAAGGGCCG	GGCTCTGATG	CCCAGAGGCT
>1996033H1	TGTGGGCAGG	CCGAT			
Consensus	TGTGGGCAGG	CCGATTAGCT	GGAAGGGCCG	GGCTCTGATG	CCCAGAGGCT

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## Figure 1B

>3107759inh	GCAATTCCCA GGCCTGGCC CTGCTTCCCC AGCTAAGCAG GAGTCTTTTG
<g3178059	GAGTCTTTTG
Consensus	GCAATTCCCA GGCCTGGCC CTGCTTCCCC AGCTAAGCAG GAGTCTTTTG
>3107759inh	TGCTTGAGCC AAGGAAACAT CATTAGATCC GCTAAGGGGC ATCTGAAACA
<g3178059	TGCTTGAGCC AAGGAAACAT CATTAGATCC GCTAAGGGGC ATCTGAAACA
Consensus	TGCTTGAGCC AAGGAAACAT CATTAGATCC GCTAAGGGGC ATCTGAAACA
>3107759inh	TCCGTCGAGT GGCAGAGGCA GGATAAGTCA CCTGCACATG AAGAGACTCA
<g3178059	TCCGTCGAGT GGCAGAGGCA GGATAAGTCA CCTGCACATG AAGAGACTCA
Consensus	TCCGTCGAGT GGCAGAGGCA GGATAAGTCA CCTGCACATG AAGAGACTCA
>3107759inh	TTCATTCATA CAGCAAATAT TACTGGTACA TCTTCCACAT GCCAGGCCCT
<g3178059	TTCATTCATA CAGCAAATAT TACTGGTACA TCTTCCACAT GCCAGGCCCT
<g2355479	TCTTCCACAT GCCAGGCCCT
Consensus	TTCATTCATA CAGCAAATAT TACTGGTACA TCTTCCACAT GCCAGGCCCT
>3107759inh	GCAAAGTGCT GGGGAGATAC CATGGTTTTTC CTGGAGCTGG TATTTTTTGGG
<g3178059	GCAAAGTGCT GGGGAGATAC CATGGTTTTTC CTGGAGCTGG TATTTTTTGGG
<g2355479	GCAAAGTGCT GGGGAGATAC CATGGTTTTTC CTGGAGCTGG TATTTTTTGGG
Consensus	GCAAAGTGCT GGGGAGATAC CATGGTTTTTC CTGGAGCTGG TATTTTTTGGG
>3107759inh	GTGGAGGGAA CCCACCCTGA ATAAATAAAG TAACCCAATA AATAAAGAAG
<g3178059	GAGGAGGGAA CCCACCCTGA ATAAATAAAG TAACCCAATA AATAAA
<g2355479	GTGGAGGGAA CCCACCCTGA ATAAATAAAG TAACCCAATA AATAAAGAAG
Consensus	GTGGAGGGAA CCCACCCTGA ATAAATAAAG TAACCCAATA AATAAAGAAG
>3107759inh	ATGATTTTGA
<g2355479	ATGATTTTGA ACAGC
Consensus	ATGATTTTGA ACAGC

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Figure 2

